



US010078938B2

(12) **United States Patent**  
**Graf et al.**

(10) **Patent No.:** **US 10,078,938 B2**  
(45) **Date of Patent:** **\*Sep. 18, 2018**

(54) **SYSTEM AND METHOD FOR REMOTELY CONTROLLING AN ELECTRONIC GAMING DEVICE FROM A MOBILE DEVICE**

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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **15/138,266**

(22) Filed: **Apr. 26, 2016**

(65) **Prior Publication Data**

US 2016/0240043 A1 Aug. 18, 2016

**Related U.S. Application Data**

(63) Continuation of application No. 14/200,474, filed on Mar. 7, 2014, now Pat. No. 9,336,644.  
(Continued)

(51) **Int. Cl.**

**A63F 9/24** (2006.01)  
**G07F 17/32** (2006.01)

(52) **U.S. Cl.**

CPC ..... **G07F 17/3225** (2013.01); **G07F 17/3204** (2013.01); **G07F 17/3211** (2013.01); **G07F 17/3218** (2013.01); **G07F 17/3244** (2013.01)

(58) **Field of Classification Search**

CPC ..... A63F 13/332; G07F 17/3225; G07F 17/3218; G07F 17/3204

See application file for complete search history.

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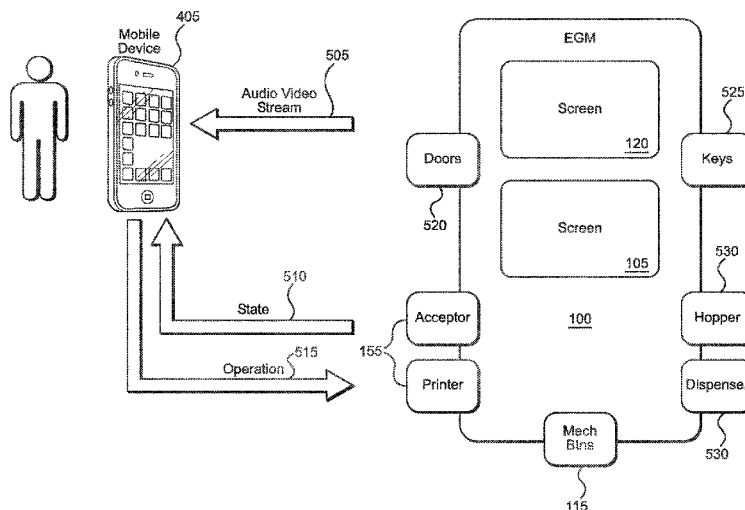
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(57) **ABSTRACT**

A system and method for controlling an electronic gaming machine (“EGM”) from a mobile device during a remote access play session. The EGM is switched between a local access mode in which the inputs on the EGM are active and a remote access mode in which the inputs on the EGM are de-activated and a player interfaces the EGM using a mobile device such as a smartphone or a tablet computer. During remote access play sessions, all critical game play operations continue to be performed exclusively on the EGM and not on the mobile device. Critical game play operations include random number generation and determination of game outcome. Game content, including video, screenshot images and audio of the game is transmitted to the mobile device for display to the player. Player input and selections are made on the mobile device.

**12 Claims, 14 Drawing Sheets**



**Related U.S. Application Data**

(60) Provisional application No. 61/774,738, filed on Mar. 8, 2013.

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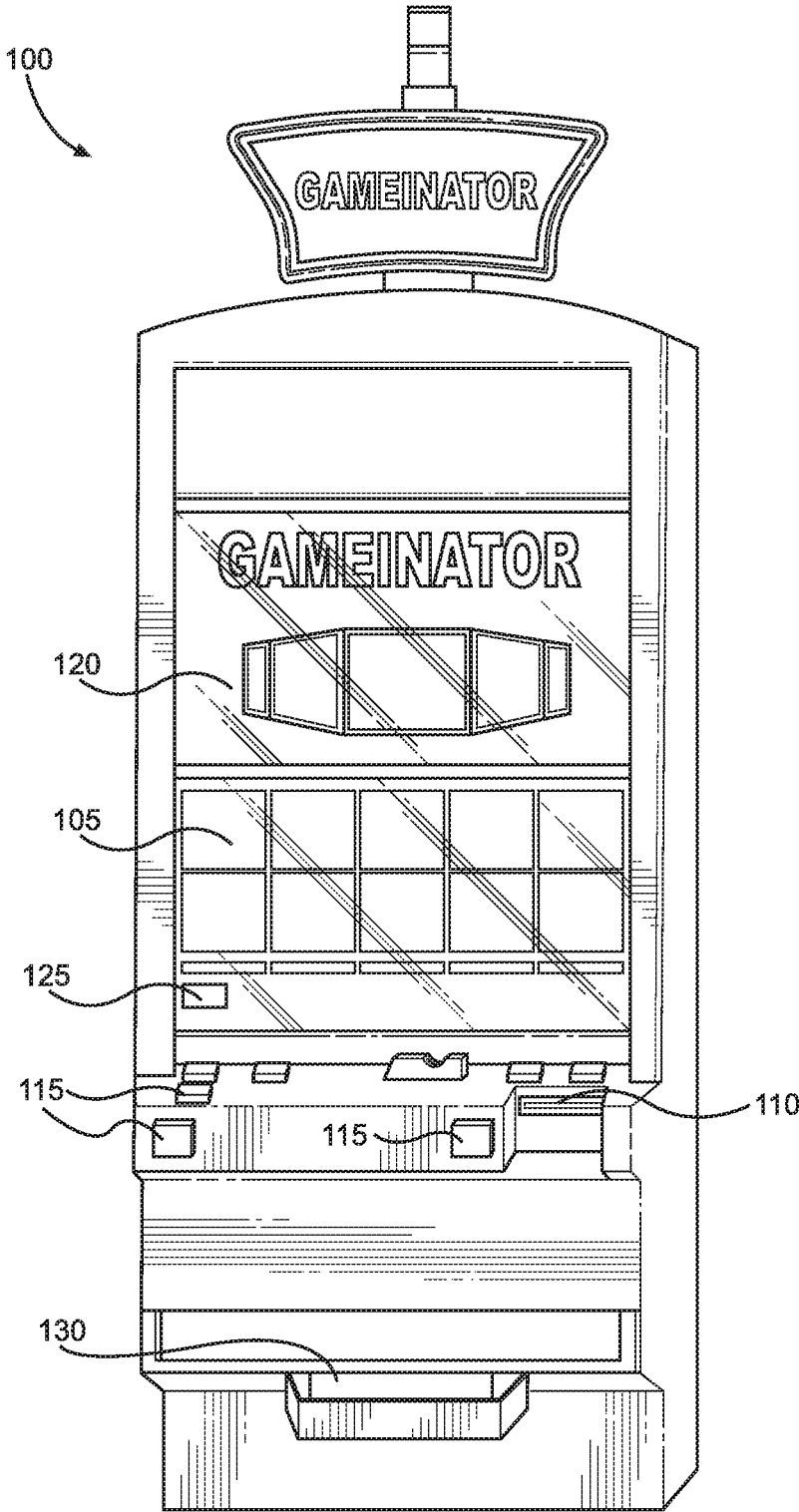
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**FIG. 1**  
Prior Art

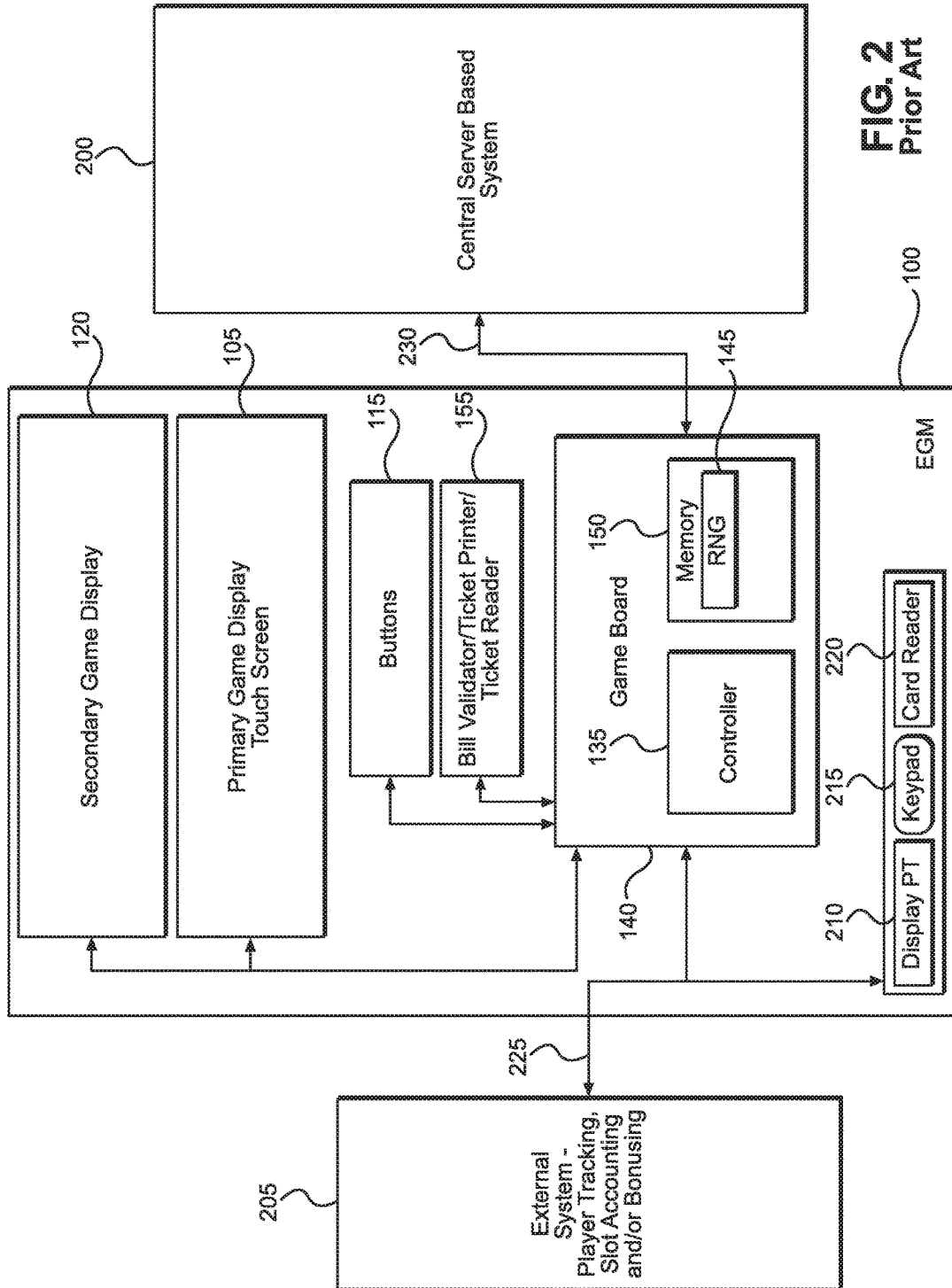
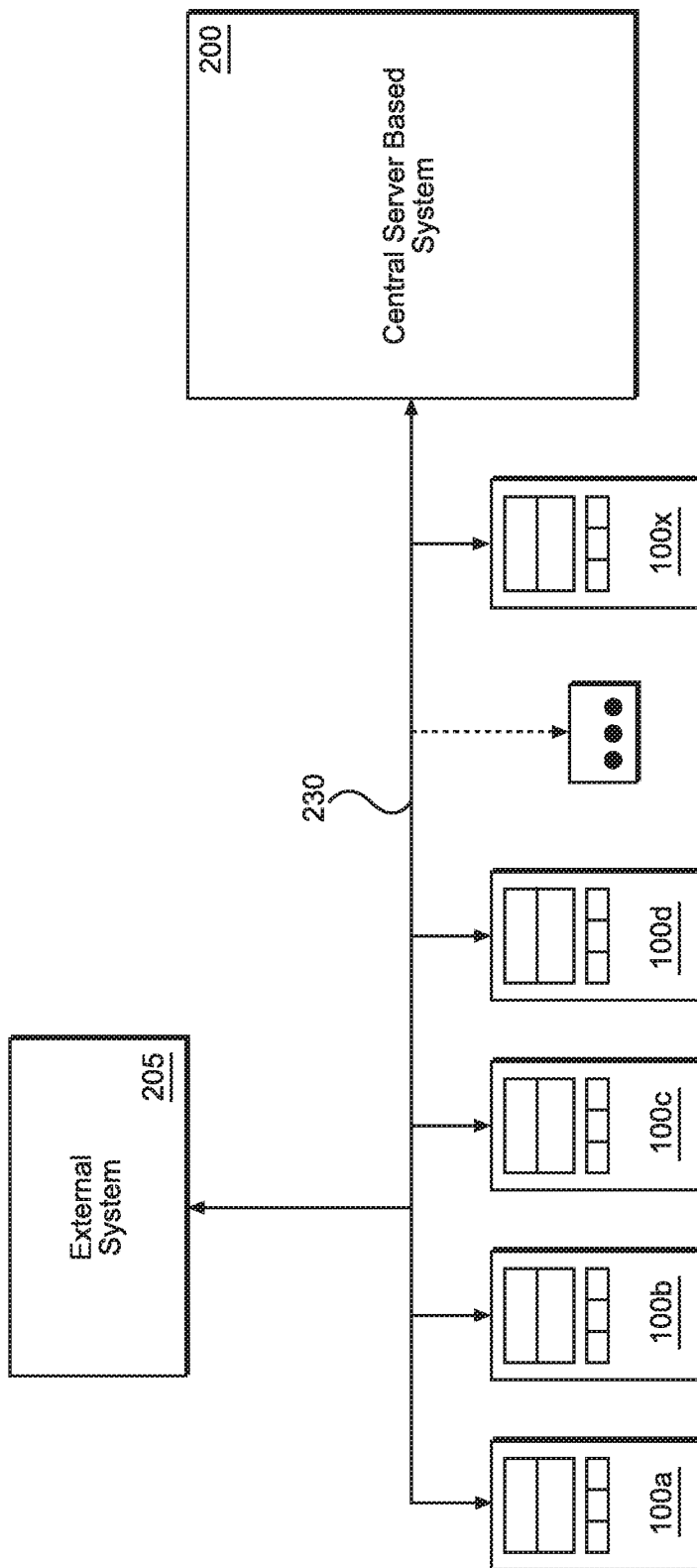


FIG. 2  
Prior Art



**FIG. 3**  
Prior Art

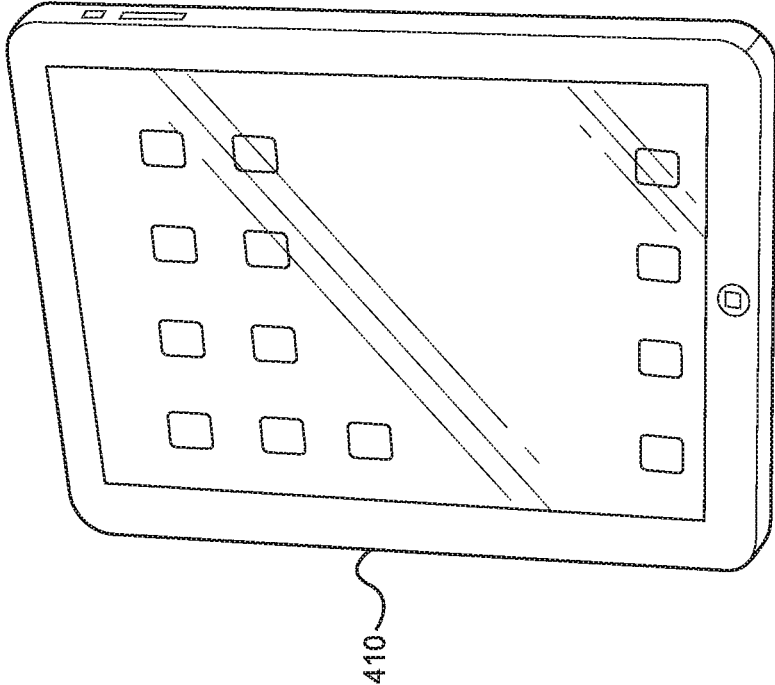


FIG. 4B



FIG. 4A

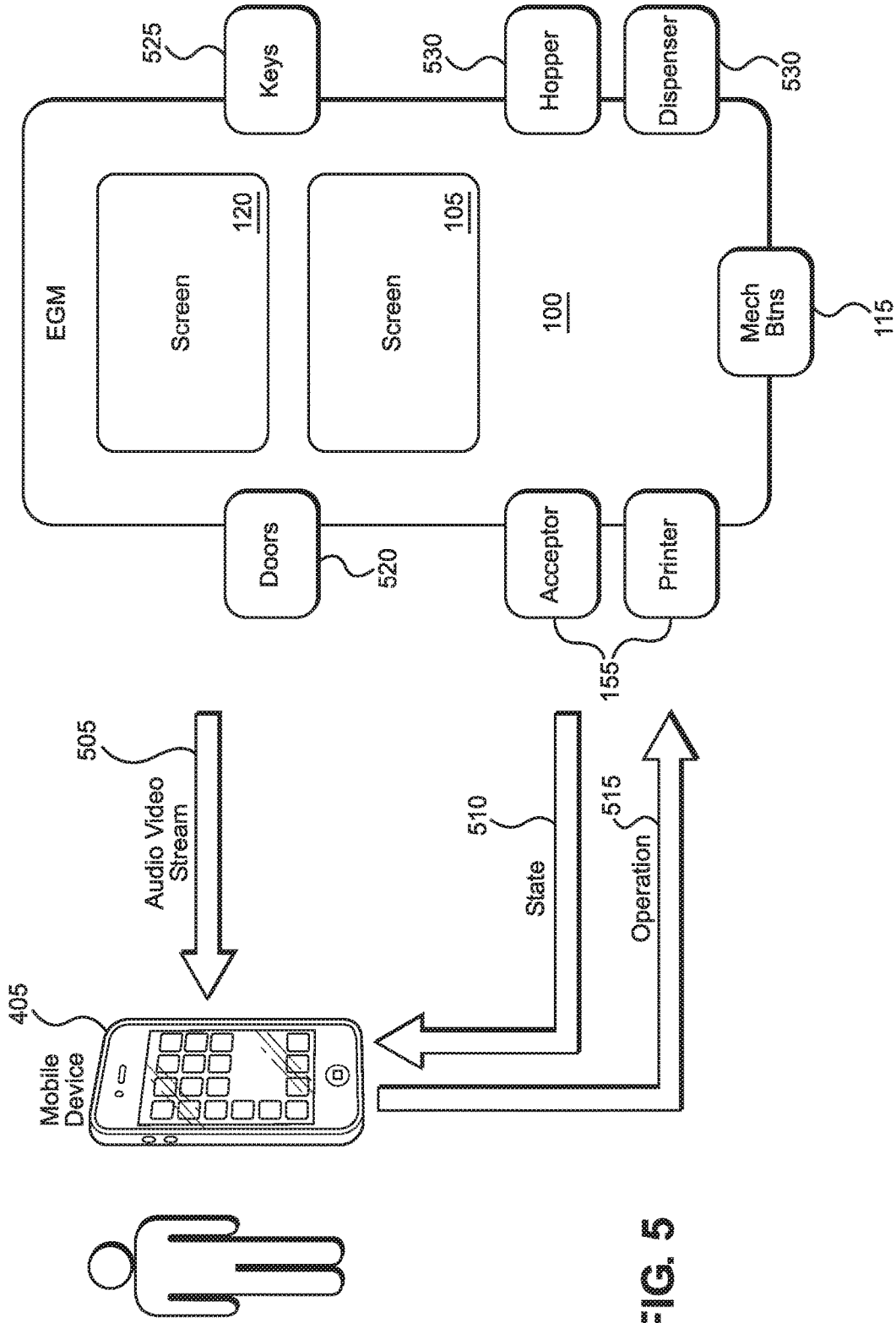


FIG. 5

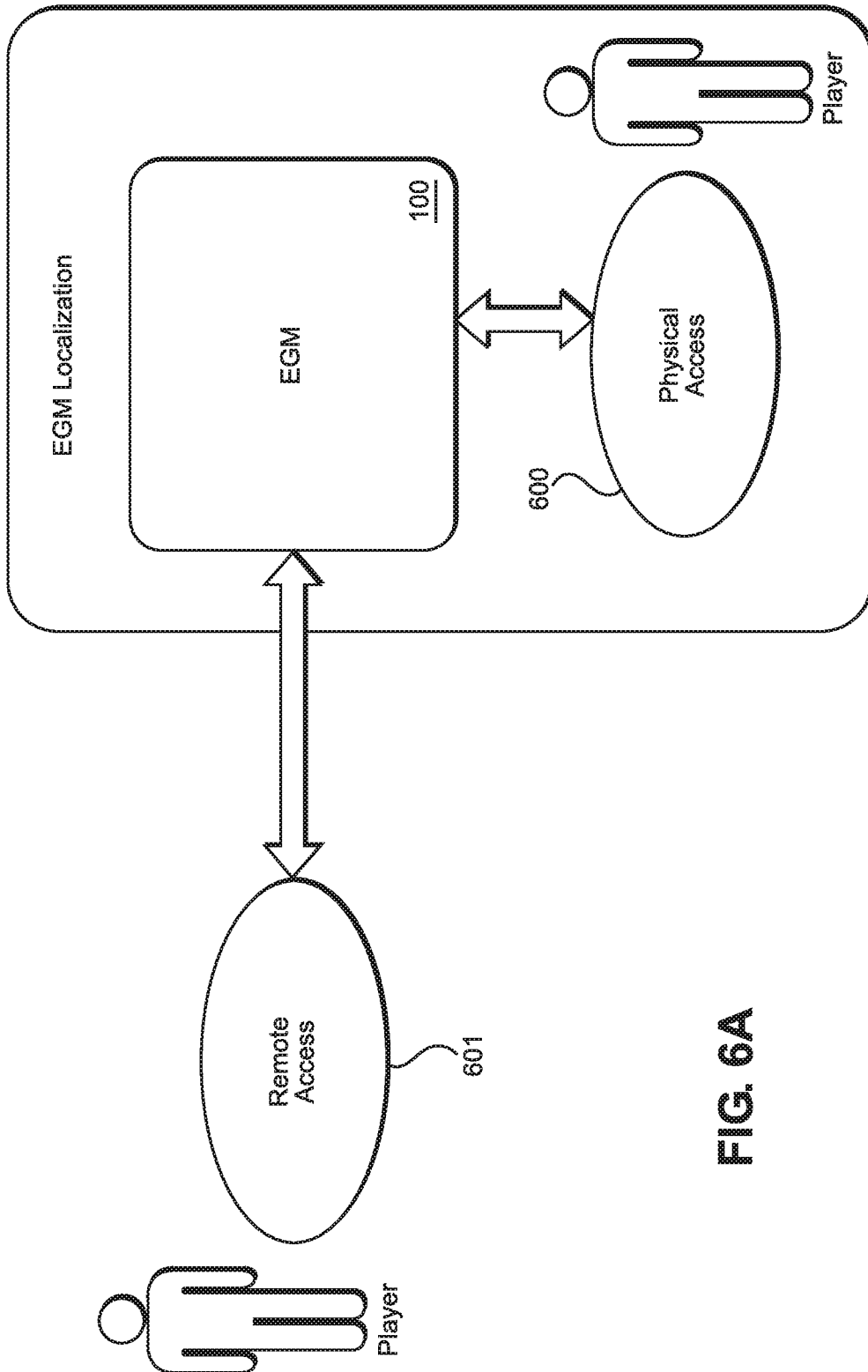


FIG. 6A

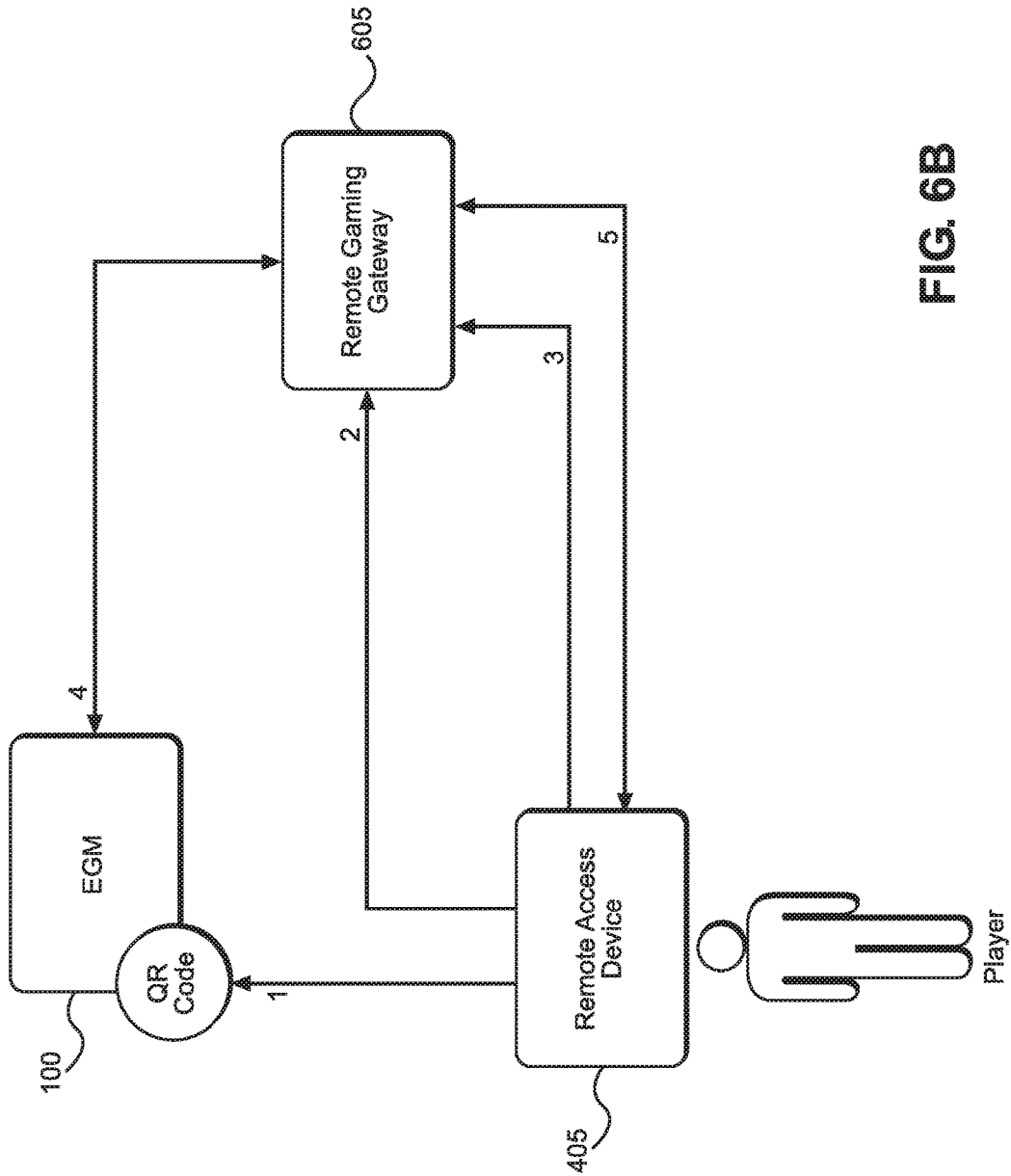


FIG. 6B

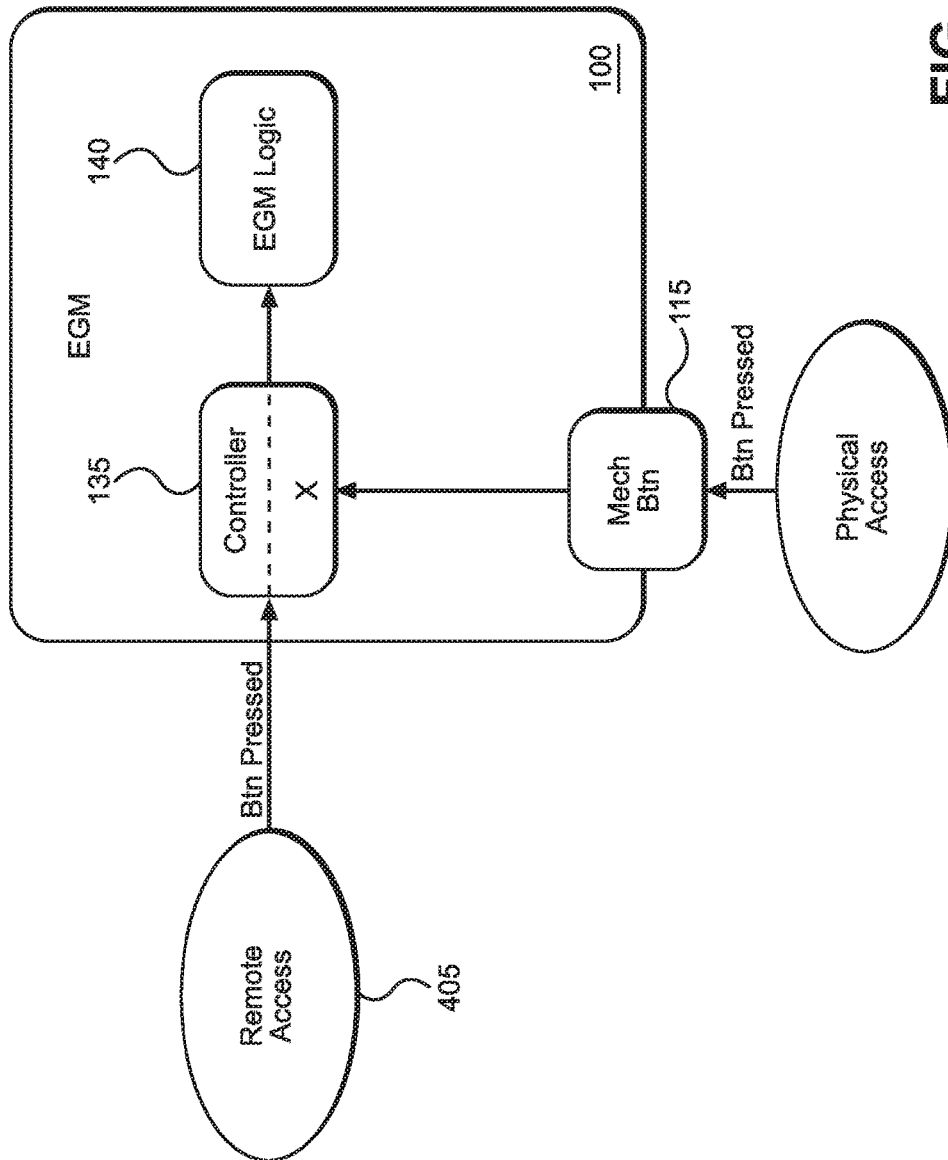


FIG. 6C

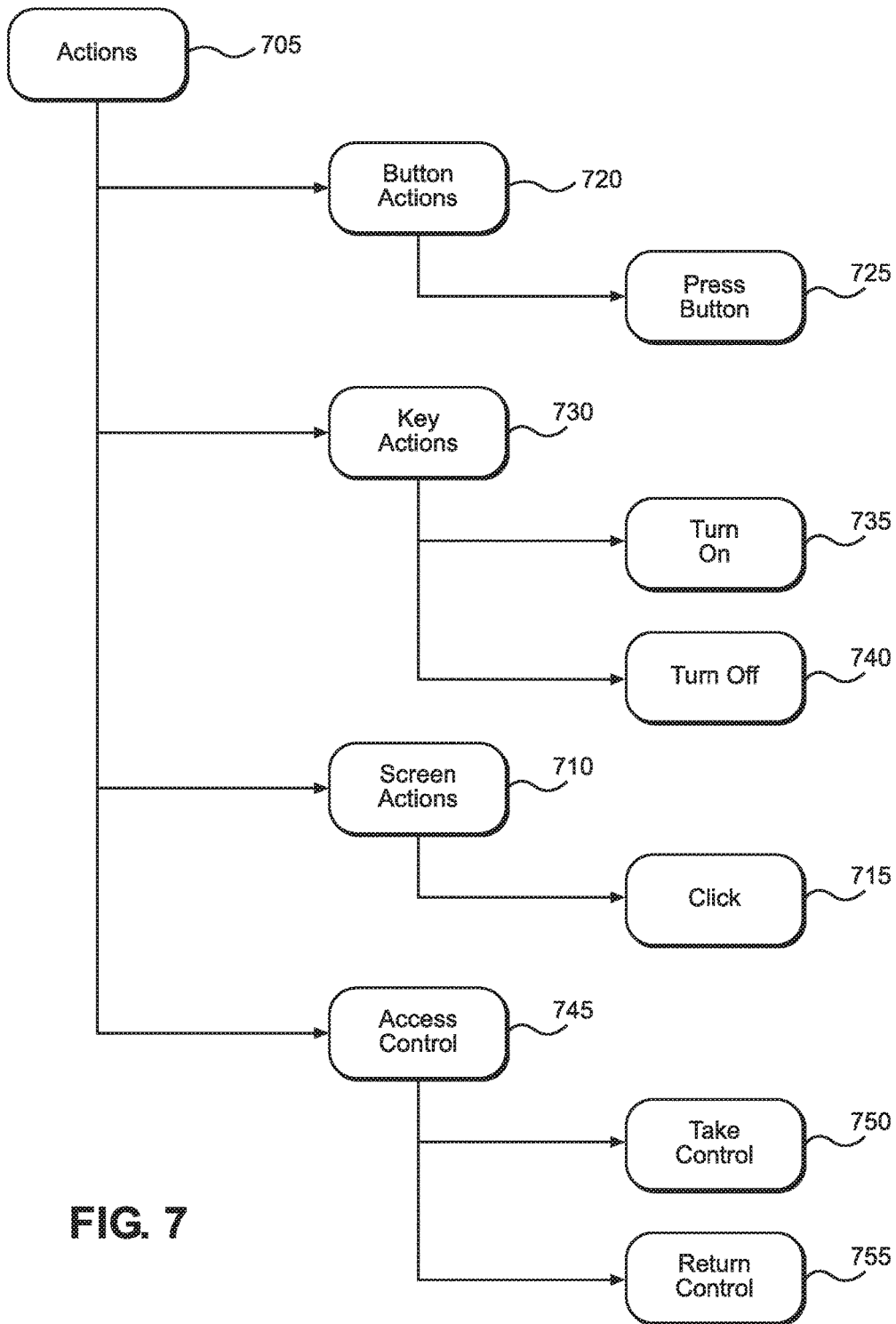


FIG. 7

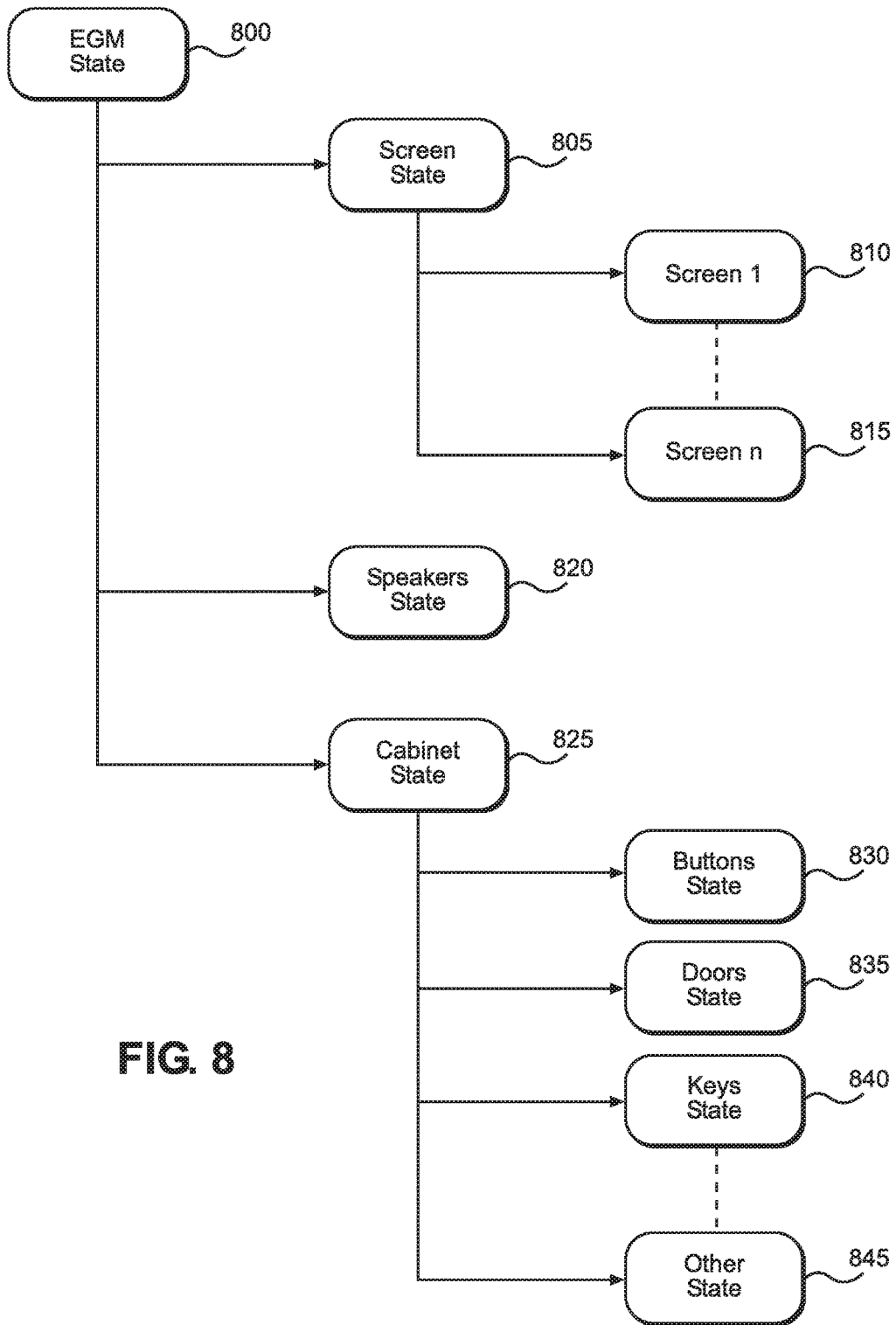


FIG. 8

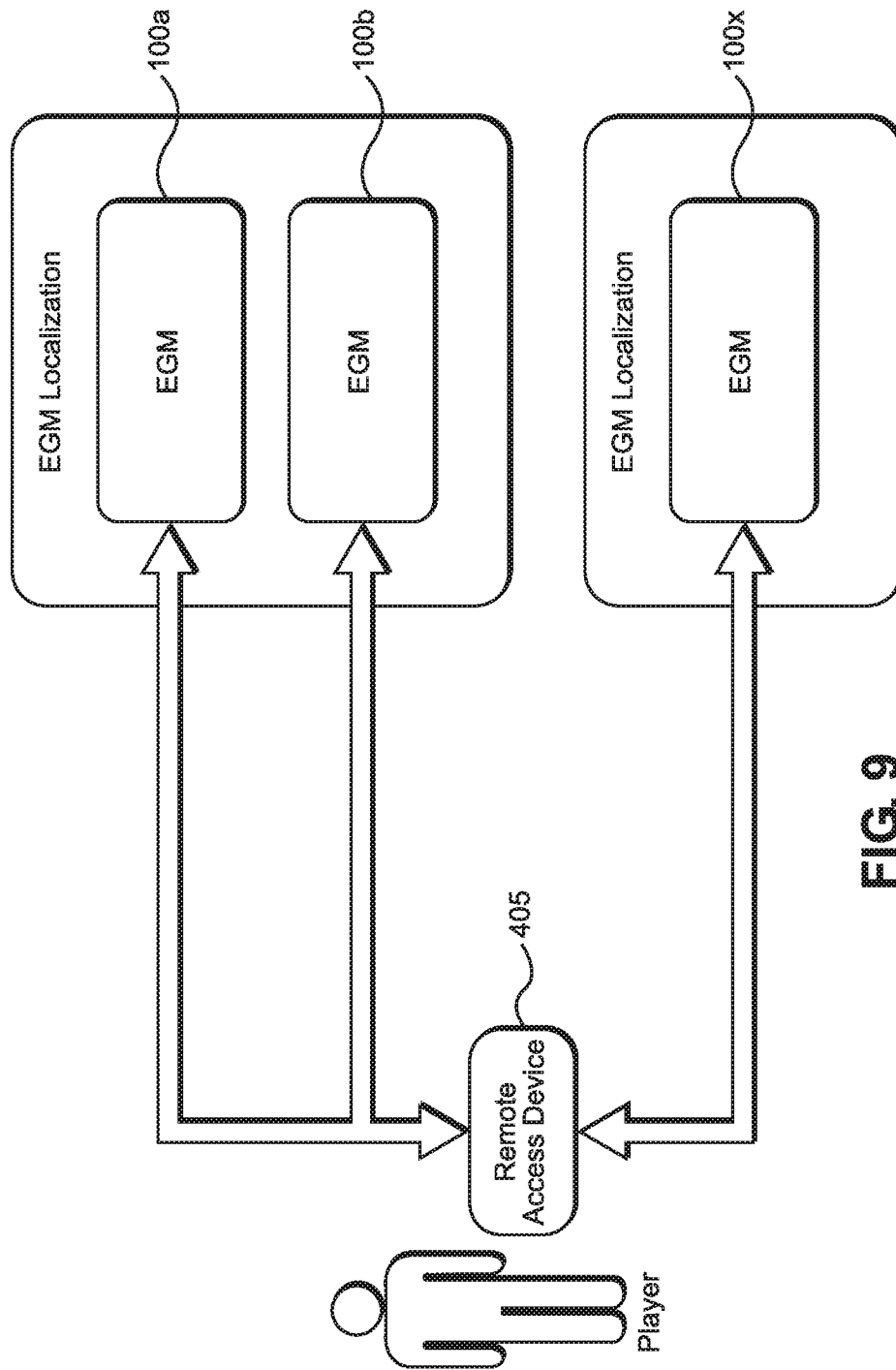


FIG. 9

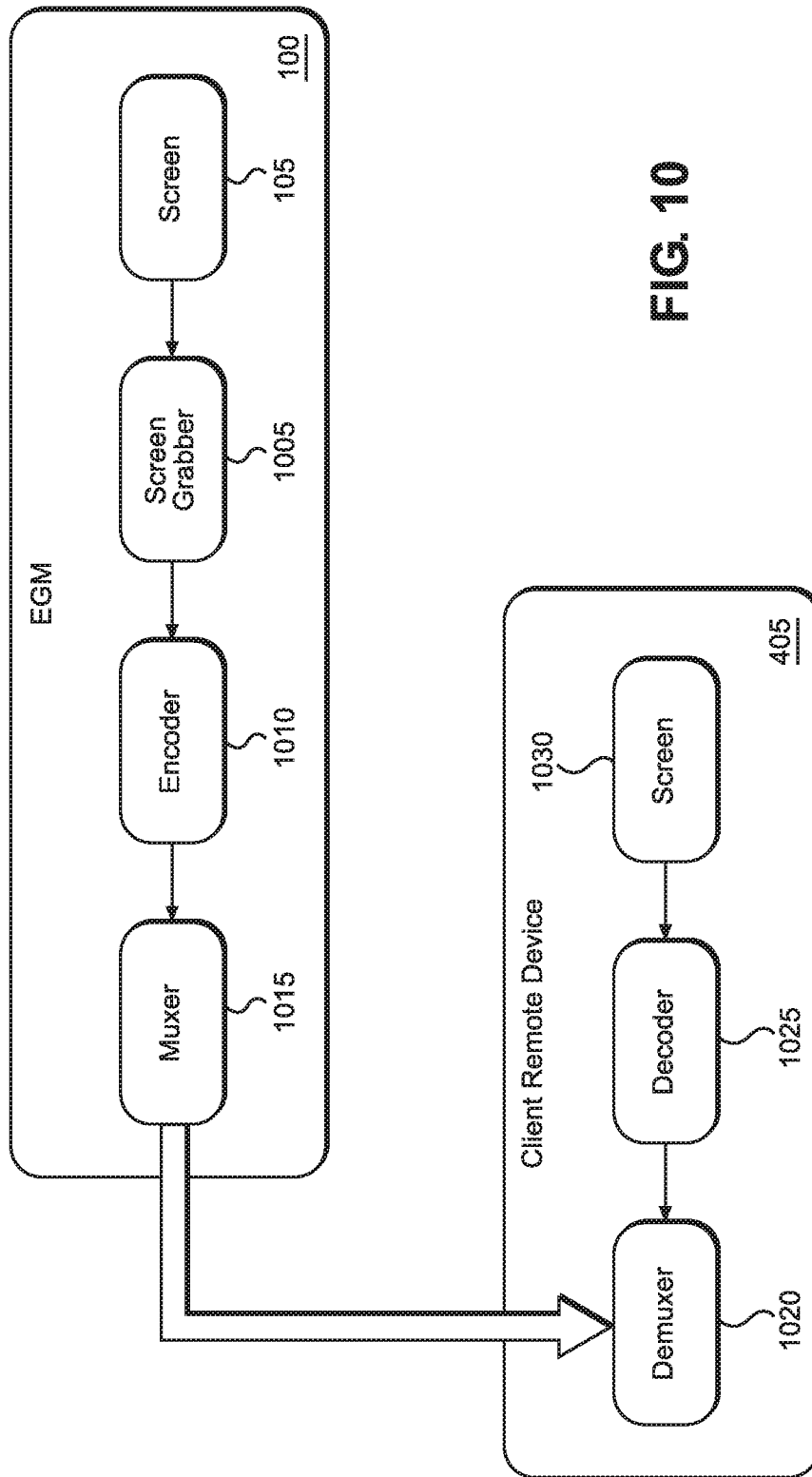


FIG. 10

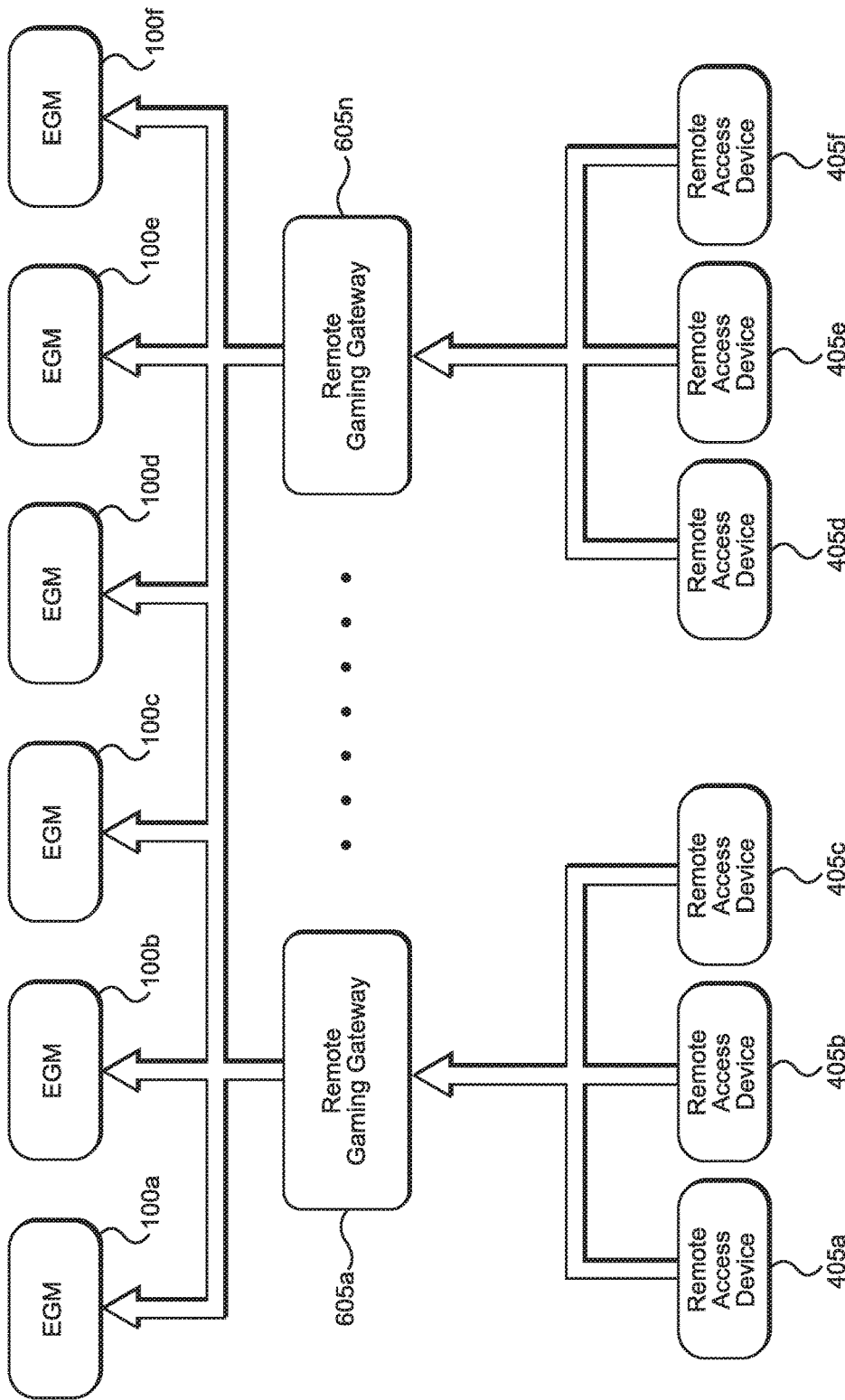


FIG. 11

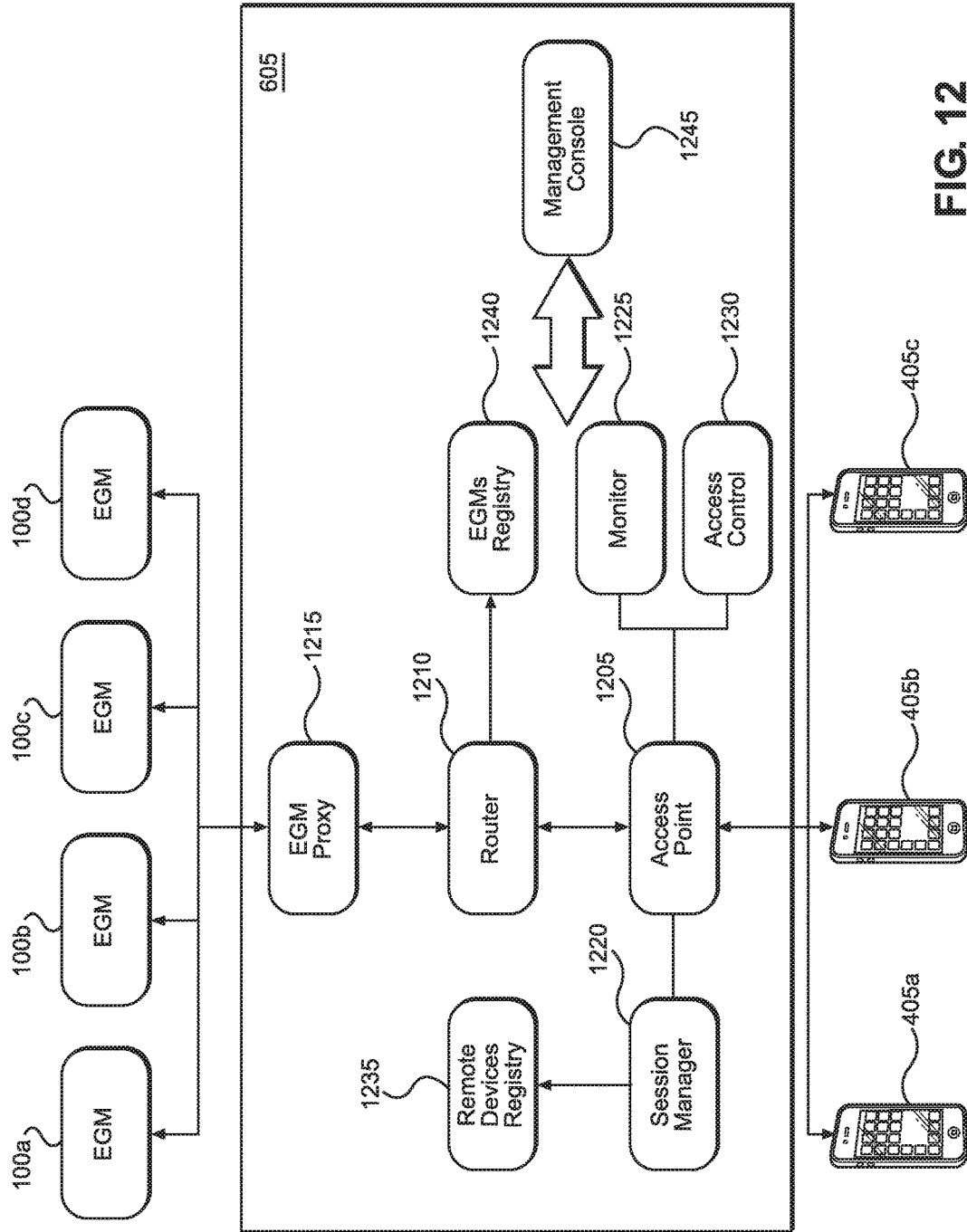


FIG. 12

**SYSTEM AND METHOD FOR REMOTELY  
CONTROLLING AN ELECTRONIC GAMING  
DEVICE FROM A MOBILE DEVICE**

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RELATED CASE INFORMATION

This application is a continuation of U.S. application Ser. No. 14/200,474 filed on Mar. 7, 2014, which claims priority benefit from U.S. Provisional Application Ser. No. 61/774,738, filed Mar. 8, 2013 entitled System and Method for Remotely Controlling an Electronic Gaming Device from a Mobile Device, which are both incorporated herein by reference in their entirety.

BACKGROUND

Electronic gaming machines (“EGMs”) offer a variety of games such as mechanical spinning reel games, video spinning reel games, video poker games, roulette games, keno games and other types of wagering games that are commonly deployed at a casino for use by players. Playing a particular EGM requires the player to physically sit at the machine and place a wager on the outcome of the game. The player then interacts with the game during the game cycle to make selections as directed for different options until the game cycle ends with the game outcome being selected and displayed to the player. If the outcome is a winner, the player receives an award corresponding to the outcome.

To date, to actively play a game on an EGM, a player must be physically present at the EGM. Prior art exists for the use of mobile devices for certain interactions with an EGM. For example, United States Patent Publication No. 2012/0315984A1, which is incorporated by reference herein, describes the use of a mobile device for developing and maintaining customer loyalty in the casino, although the player is unable to control game play operation of an EGM directly from a mobile device. This publication describes a technique for playing wager-based video card or slot games where game content, including game outcomes are generated on a remote device such as a server, and sent to a mobile device for display. The publication provides a description of an EGM configured to receive at least game outcomes from a remote device (server) where the EGM itself does not use a random number generator (“RNG”) to generate game outcomes locally. The game outcomes are instead generated remotely (from the server) in response to inputs made on the mobile device such as an input indicating a wager amount and/or an input to initiate the game. The wager amount or initiation information can be sent from the mobile device to a remote device such as from a mobile gaming device to a server. After receiving the game outcomes from the remote device (server), a game presentation for the game outcomes generated remotely can be generated and displayed on the mobile device. In some instances, the game presentation can also be generated remotely (from the server) and then streamed for display to the mobile device. (See Paragraph [0092] of 2012/0315984A1).

SUMMARY

The present invention overcomes the drawbacks of the prior art by providing a system and method of using a mobile device to remotely control an EGM where control may be switched between: (a) local control of the EGM by a player physically present at the EGM interacting with the EGM through the inputs on the EGM; and (b) remote control of the EGM by a player using a mobile device such as a smartphone or tablet computing device.

BRIEF DESCRIPTION OF THE DRAWINGS

For a better understanding of the present invention, and to show more clearly how it functions, reference will now be made, by way of example, to the accompanying drawings. The drawings show embodiments of the present invention in which:

FIG. 1 shows an electronic gaming machine for playing a game of chance;

FIG. 2 shows a block diagram of an electronic gaming machine for playing a game and connected to a network controlled by a central server based system with an external system also connected to the network;

FIG. 3 shows a block diagram of a group of electronic gaming machines on a network connected to a server based system and an external system;

FIGS. 4A-4B show examples of mobile devices;

FIG. 5 is a block diagram showing communication between a mobile device and an EGM;

FIG. 6A is a block diagram of an EGM showing local and remote access options;

FIG. 6B is a block diagram of mobile device and an EGM connected using a remote gaming gateway;

FIG. 6C is a block diagram of an EGM that may be switched between remote access using a mobile device and local access by physically playing at the EGM;

FIG. 7 is a flowchart of a hierarchy of actions available on the EGM;

FIG. 8 is a flowchart of the states that an EGM may be in during operation;

FIG. 9 is a block diagram showing a mobile device in parallel play on multiple EGMs;

FIG. 10 is a block diagram showing the capture and transmission of screenshots from an EGM to a mobile device during remote play;

FIG. 11 is a block diagram of a group of electronic gaming machines on a network connected to a group of remote access devices through a group of gateways; and

FIG. 12 is a block diagram of a group of electronic gaming machines on a network connected to a group of remote access devices together with a detailed view of the components of one gateway.

DETAILED DESCRIPTION OF THE  
INVENTION

The present invention will now be described in more detail with reference to the accompanying drawings. It should be understood that the invention may be embodied in many different forms and should not be construed as limited to the embodiments set forth herein. Throughout FIGS. 1-12, like elements of the invention are referred to by the same reference numerals for consistency purposes.

FIG. 1 shows an electronic gaming machine (“EGM”) 100 with a number of components. A primary display 105 is used to show game play and resulting outcomes, and may be

in the form of a video display (shown), or alternatively, physical reels. Touch screen displays are included on most EGMs and provide a flexible interface for operation of EGM 100, including displaying symbols during game play. Other components include a bill validator (see FIG. 2) housed inside EGM 100 into which bills may be inserted through bill slot 110. Buttons 115 on the exterior of EGM 100 are used to initiate and control EGM operations in conjunction with touch screen display 105 by the player. EGMs may further include a secondary display 120 for displaying other game functions including bonus screens. Either of primary display 105 or secondary display 120 may be used to show information to the player such as pay tables, messages, advertising, entertainment screens or other types of information. Multiple meters 125 on display 105 are used for tracking credits available for play, amount won on a particular play, number of coins bet and other amounts are typically positioned near the bottom of screen 105. EGM 100 may also accept coins. In those cases, a coin tray 130 at the bottom of EGM 100 is used to catch coins as they are dispensed to a player.

It is common for EGM 100 to include a ticket-in, ticket-out (“TITO”) component that includes a ticket reader and ticket printer housed inside of EGM 100 that may accept bar coded credits printed on a ticket through slot 110 and for which the value of the credits is displayed on meters 125 upon a ticket being inserted.

FIG. 2 is a block diagram of EGM 100 connected to a central server based system 200 and showing certain internal components of EGM 100. All operational functions of EGM 100 are controlled by a controller 135 such as a microprocessor housed inside EGM 100 that is resident on a game board 140. The controller executes instructions that include operation of an EGM based random number generator 145 (“RNG”) that is typically implemented in software and stored in a memory 150. Alternatively, a true hardware random number generator may be used. The internal components of EGM 100 are well known to those of ordinary skill in the art. Game outcomes are determined based on the random numbers selected by RNG 145. A bill validator 155 for accepting paper currency is shown integrated with a ticket reader and ticket printer. Bill validator 155 accepts currency in the form of bills or tickets from a player and adds credit to meters 125 on EGM 100. A camera 160 may also be included in EGM 100 for the purpose of recording images of game play and game operations on either or both of screens 105 and 120. Camera 160 is preferably capable of capturing both video and still images.

An external system 205 such as a player tracking system, a slot accounting system or a bonusing system may also be connected to EGM 100. These types of systems are typically connected to EGM 100 either through a separate interface board (not shown) or directly to different components of EGM 100 including but not limited to game board 140. A player tracking system may also include other components installed in EGM 100 such as a player tracking display 210, a keypad 215 and a card reader 220. These components allow for direct interaction between external system 205 and the player to receive information from the player on keypad 215 or through information on a card inserted into card reader 220, and to display information to the player on display 210. A network is established between external system 205 and EGM 100 by network connection 225. The network may be connected to all EGMs 100 in a casino or any smaller subset of EGMs 100.

Server based system 200 is also connected to EGMs 100 by a network connection 230 which may be on a separate

network or the same network as the one connecting EGM 100 to external system 205. Server based system 200 may be a single server or it may represent a group of interconnected servers that are configured to be a single system interfacing with a group of EGMs.

It will be understood that the type of networks 225, 230 over which data is communicated can be one of several different types of networks. These include a Local Area Network (LAN), Wide Area Network (WAN), an intranet, the internet or other classes of networks. Any type of network technology could be used without departing from the principles of the invention. This would include communication via any protocol on any of the layers of the OSI model (ISO/IEC 7498-1) with or without encryption (e.g. SSL encryption, VPN, etc). The time is synchronized on all components of the system via a network protocol such as, for example, network time protocol (“NTP”) to ensure that time stamps may be reliably compared.

FIG. 3 is a block diagram showing a group of EGMs 100 *a-x* on a network connection 230 between central server based system 200 and each of EGMs 100 *a-x*. It should be understood that the network may be set up with any number of EGMs that may be in the thousands of machines. Each of EGMs 100 *a-x* is also connected to external system 205 that may be a player tracking, slot accounting, bonusing or other type of system.

FIG. 4A and FIG. 4B show mobile devices that may be used to remotely control EGM 100. FIG. 4A is a smartphone 405 such as an iPhone® sold by Apple® while FIG. 4B is a tablet computing device 410 such as an iPad® sold by Apple®. Either of these devices as well as other mobile handheld devices may be used to remotely access and control EGM 100 once EGM 100 is placed in a remote access mode. For ease of reference in this description, a mobile device will be generally referred to as mobile device 405. However, it should be understood, that mobile device 405 may be substituted with mobile device 410, or any other electronic device with communicative connection capabilities that is remotely located from EGM 100 and from which EGM 100 may be controlled. Such devices may include a dedicated remote electronic gaming device specially designed and produced for remote gaming purposes, a laptop computer, a portable video gaming device such as an PlayStation Portable, or PSP®, sold by Sony®, or any other general computing device that may be programmed or loaded with application software to provide the necessary capabilities for remotely controlling EGM 100.

FIG. 5 is a block diagram showing communication between a mobile device 405 and an EGM 100. To enable remote control, a player interacts with EGM 100 on mobile device 405 using multi-channel communication. Actions are performed using physical buttons such as touchscreen 105 or buttons 115 on EGM 100 and the touchscreen or buttons on mobile device 405. Actions include, but are not limited to the transfer of funds, game selection, switch to activate remote control by the mobile device and return local control to the EGM, along with all other functions required to play a game and receive credit for player loyalty rewards. The multi-channel communication allows for transmission of game content including streaming video screen states, individual JPEG screen states, and/or text messaging, as well as audio to be transmitted between EGM 100 and mobile device 405. Throughout the process, all gaming functions are performed by EGM 100 with status of those actions transmitted to mobile device 405 for display to the player. The player interacts with EGM 100 by responding when necessary using inputs on mobile device 405. Since the gaming func-

tions are performed on EGM 100, there is not an opportunity for a compromise of data or security on mobile device 405, which merely acts to display information to the player and provide responses from the player when necessary and is in physical lock-out mode while EGM 100 is under remote control by mobile device 405. Critical gaming functions such as running the RNG and determining game outcomes are handled exclusively by the internal components of EGM 100 irrespective of whether EGM is in local mode or remote access mode.

To ensure a secure connection between EGM 100 and mobile device 405 during a remotely controlled play session, a communication channel must be established between EGM 100 and 405. A mobile device 405 is able to identify a particular EGM by, for example, scanning a quick response code (“QR”), bar code, radio frequency (“RF”) identification tag, or another code type that is detectable by a mobile device and displayed or detectable on or near the exterior surface of EGM or on one of the screens 105, 120 of EGM 100. Once mobile device 405 has the QR code, it can specify the particular EGM with which to establish communication. In an alternative embodiment, the identification code representing respective EGMs may be provided by means of an RFID tag attached to the EGM from which the mobile device may be adapted to read or detect identification information using an RFID communication protocol.

It should be understood that a specific identification code (which is encoded into QR or another code type) is associated with a particular EGM. It is a form of a certificate that is unique to the particular EGM and is paired with the EGM IP address in the remote play management system (see FIG. 12). The identification code is attached to the EGM housing and linked with the EGM, including a visible indicator on the outside of the EGM housing so that a player can see the code. The displayed code should also include a corresponding human readable form that can also be displayed on the screen of the mobile device for the player to confirm that the established connection is with the desired EGM.

Only authorized or registered mobile devices are enabled to access the EGM for private remote play using the network, which may be for example, be a WiFi network. The RF link between the EGM and the WiFi network may be permanently enabled or “on” so that when a mobile device accesses the WiFi network, the scanned QR code of the EGM that the player wants to remotely access may be used to link the mobile device and the EGM. Once the identification code is scanned, the link may be established without login since the mobile device has been authorized for use on the network by the gaming operator in advance of establishing the link between the EGM and the mobile device. Or, a login procedure may be required for additional security.

To start remote play on a mobile device, the player initiates a connection request from the mobile device. The mobile device is used to scan a particular EGM for the unique identification code that is transmitted to the remote play management system. The remote play management system checks the EGM registry to look up the identification code. If the EGM is found and remote access is not blocked for any reason, the remote play management system enables the remote play session for the mobile device. All mobile device requests are routed to the EGM and responses from the EGM are routed back to the mobile device.

Once a player has decided to end a play session, the player presses an end play button on the mobile device. The mobile device scans the identification code again and a disconnect

signal is sent to the remote play management system. The remote play session is then closed by the remote play management system.

Once a communication channel is established between EGM 100 and mobile device 405, which may use Bluetooth, WiFi, near field communication (“NFC”) or any other communication linking format, transmission of data between EGM 100 and mobile device 405 may be carried out to send an audio/video stream 505 from EGM 100 to mobile device 405. The protocol is used to format transmissions which include video, images and audio. The protocol may be any standard protocol such as real-time transport protocol (“RTP”) over user data protocol (“UDP”) or an MPEG protocol such as MPEG2 video encoder. Any other codecs or protocol may be used including a proprietary protocol specifically designed for EGM-mobile device communication. In one embodiment, an encoder known as VideoLAN x264 encoder may be used in view of this protocol having very low latency for video streaming. Transmission of the state of EGM 510 is also transmitted from EGM 100 to mobile device 405. This may include messaging related to the availability of EGM 100 for play, the timing of game play, a waiting state indicating that EGM 100 is awaiting an input from the user or other messages related to EGM components such as acceptor/printer 155, buttons 115, screens 105, 120, doors 520, keys 525, or hopper/dispenser 530 on EGM 100. Operational instructions 515 are sent from mobile device 405 to EGM 100 to provide user input, a request to use EGM in remote mode, request to terminate remote mode or other user instructions.

It should be understood that EGM 100 may switch between local access by a player physically playing EGM 100 directly at EGM 100 and remote access by a player playing through mobile device 405. This concept is shown in FIG. 6A showing the options of local access 600 and remote access 601.

Once a communication connection is established between EGM 100 and mobile device 405, a gateway 605 (or a proprietary connection service referred to as LightBridge™ or LightBridge™ service developed by the assignee of this application) as shown in FIG. 6B is deployed to switch modes between local access on EGM 100 and remote access on mobile device 405. Gateway 605 is controlled by EGM controller 135, or a separate controller 135 as shown in FIG. 6C that is used for the purpose of running gateway 605 and controlling the connection between EGM 100 and mobile device 405. Upon establishing the connection, all signals from the buttons 155 and other inputs on EGM 100 are blocked and only gateway signal transmissions are propagated. As can be seen in FIG. 6B, initially, the QR code is scanned by mobile device 405 and a signal is sent to EGM 100 to switch from local operation mode to remote access mode at step 1. Gateway 605 is then notified of the switch after receiving a signal from mobile device 405 at step 2, and mobile device 405 then initiates a play session at step 3 that establishes two-communications between EGM 100 and gateway 605 at step 4, and between mobile device 405 and gateway 605 at step 5.

Once in remote access mode, a hierarchy of actions 705 becomes available, an example of which is shown in FIG. 7, where actions can be executed by the player on mobile device 405 which are propagated to EGM 100. Screen actions 710 on mobile device 405 are activated by touch-screen clicks 715 and use of the mechanical button actions 720 performed by pressing button 725 on mobile device 405 are implemented during game play by EGM 100. Using software applications developed for a smartphone, tablet or

other mobile device for use with the gateway, it is possible to specify any button functionality on a touchscreen or physical buttons on mobile device **405**. Key actions **730** performed on a keyboard (not shown) on mobile device **405** can turn on **735** or turn off **740** a particular functionality. Similarly, access control **745** can be turned on **750** or turned off **755** using any of the user interface options previously described (e.g. touchscreen clicks, button depressions, keyboard actions).

An example of the possible states **800** of EGM **100** are shown in FIG. **8**. The states **800**, or a subset thereof, may be propagated from EGM **100** to mobile device **405**, which is adjusted according to the states. This may happen at any time appropriate within the session. A set of touchscreen buttons displayed on the touchscreen of mobile device **405** reflect the particular screen state **805** as being screen **1** (**810**) to screen **n** (**815**). The screen states cover any given time and provide the player with the opportunity to make selections with respect to input and interaction with EGM **100**. The states of these buttons are configured to simulate the states of EGM buttons **115** during play. It should be understood, that for smaller screens, it may be required or desirable to show only certain subgroups of buttons on the touchscreen of a mobile device at any given time, particularly if the mobile device is a smartphone. For a larger device like a tablet or laptop with a larger screen, it may be possible to show the screen of EGM **100** as it would appear on touchscreen **105** at any particular time. In that case, all buttons may be shown, while some may be operational or not depending on the input required at that point in the game play cycle.

Similar to screens state **805**, the state of the speakers **820** on EGM **100** is also propagated to mobile device **405**. However, for speakers, state **820** in the present case is simply whether there is audio being played or not without any additional states.

As described earlier, messages related to other functionality on EGM **100** may also be communicated to mobile device **405**. For example, the state of the cabinet **825** may provide indications related to the state of buttons **830**, doors **835**, keys **840** and any other components **845** on EGM **100**.

FIG. **9** shows an embodiment in which multiple EGMs **100a-x** may be controlled simultaneously, or in parallel. In this case, the display of screens from each controlled EGM would be alternated on mobile device **405** as player input and the display of game outcomes is required. For the control of multiple EGMs simultaneously, it will be necessary to clearly indicate to the player the particular current screen and the game in play on each particular remotely accessed EGM that is being viewed at any given time. A selection screen may be provided on the mobile device **405** on which are arranged a number of icons, each icon representing a respective EGM being controlled. A thumbnail picture may be shown at each icon to represent a screen state of the respective EGM. Alternatively a miniaturized video stream may be shown.

FIG. **10** is an embodiment where captured still image screenshots or streaming video of game play content may be in use. In the case of screenshots, EGM **100** sends screenshots of the particular game play screen to mobile device **405**. In doing so, the image of a screenshot that in local operation mode on EGM **100** would be shown on screen **105** is captured by a screengrabber program or hardware **1005**. The captured screenshot image is encoded by encoder **1010** and input to a multiplexer **1015** before it is transmitted to mobile device **405**. Upon being received by mobile device **405**, the image is input to a demultiplexer **1020** and decoded

by a decoder **1025** before it is displayed to the player on screen **1030** of mobile device **405**. Within EGM **100**, the screenshot image for a video screen may be captured using a program to freeze the needed screenshot. A host of freely available screenshot programs are available for this purpose, or a proprietary program may be used. Also, a program for handling multimedia such as FFmpeg may be used to handle the image during processing while a media player such as FFmpeg+ may be used to display the image on screen **1030** of mobile device **405**. In the event that it is necessary to capture a set of spinning reels at one or more particular points during the game play cycle as opposed to an image on a video screen, camera **160** positioned inside of the EGM cabinet may be used for this purpose.

In the case where streaming video of game play content is in use, it should be understood that the system works as described above for still image screenshots except that screenshots are taken continuously to generate a video. For example, screenshots may be captured sixty times per second. The individual frames are encoded into video using a video format such as mpeg2 video stream, h264 or any other video encoding format. The video is input to multiplexer **1015** which may combine video, audio and metadata into one stream that is then extracted by demultiplexer **1020** when the stream is received at mobile device **405**.

FIG. **11** is a block diagram of a group of EGMs **100a-f** on a network connected to a group of remote access devices **405a-f** through a group of gateways **a-n**. This diagram shows the scalability and flexibility of a system of EGMs connecting to remote access devices while routing communications through a set of gateways **605a-n**. As can be seen in FIG. **11**, it is not necessary for an individual gateway **605** to be employed for each EGM-mobile device pairing. Instead a single gateway **605** may handle communications for large numbers of EGM-mobile device pairings provided each session established between an EGM and a mobile device is handled according to the procedures described herein. When a particular gateway reaches capacity, a pairing is established at another gateway. It should be understood that for the greatest level of flexibility, any EGM **100** in the system may be paired with any mobile device **405** across any gateway **605** with all gateways being configured in the network to be connectable to any EGM **100** and any mobile device **405**.

FIG. **12** is a block diagram of a group of EGMs **100a-d** on a network connected to a group of remote access devices **405a-c** together with a detailed view of the components of a gateway **605**. Gateway **605** is responsible for remote play management by providing access control, session management and monitoring of the remote play activities. Gateway **605** includes a number of software components including access point **1205**, router **1210**, EGM proxy **1215**, session manager **1220**, monitor **1225**, access control **1230**, remote devices registry **1235**, EGMs registry **1240** and management console **1250**. The software components of gateway **605** forward, monitor and transform requests communicated between remote access devices **405a-c** and EGMs **100a-d**.

In operation, access point **1205** is the entry point for all communications flowing between a particular remote access device and a particular EGM. Router **1210** is used to determine which EGM has been selected to be connected to a particular remote access device and to route communications accordingly between those two devices. EGM proxy **1215** transforms the messages back and forth between the proprietary protocols used by EGMs **100** and remote access devices **405**. Session manager **1220** manages the remote play session from beginning to end while monitor **1225** is

responsible for monitoring the state of the system and access control **1230** controls access to the system from the particular remote access device in use. Remote devices registry **1235** holds a list of registered remote access devices **405** available on the system so that a connection may be established between a particular remote access device in use by a player and a selected EGM from all EGMs available on the system, a list of which is held in EGMs registry **1240**. And, management console **1245** is a web-based application or other software interface that allows a system operator to access all aspects of the system software to manage operations and settings of the system, including for example, setting up remote access device registry **1235** and EGM registry **1240**. Management console **1245** may also be used by an operator to track and review game play by players using remote access devices **405**.

While the invention has been described with respect to the figures, it will be appreciated that many modifications and changes may be made by those skilled in the art without departing from the spirit of the invention. Any variation and derivation from the above description and drawings are included in the scope of the present invention as defined by the claims.

What is claimed is:

1. A method by which players play games remotely over a network, comprising:
  - providing communication with at least one mobile device communicating on the network;
  - providing a plurality of electronic gaming machines (“EGMs”) communicating on the network, wherein each EGM corresponds to a respective and unique identification code and has a visible indicator of its unique identification code attached to an outside of its housing, the identification code being readable by at least one of the at least one mobile device and a player associated with the at least one mobile device;
  - receiving a request from a first mobile device of the at least one mobile device to establish a communication link with a first EGM of the plurality of EGMs on which a player associated with the first mobile device has decided to initiate a remote access play session, the request including the unique identification code corresponding to the first EGM as obtained from the outside housing of the first EGM;
  - establishing the communication link on a first gateway on the network between the first mobile device and the first EGM and thereby enabling communications comprising player input from the first mobile device to the first EGM and game play content provided from the first EGM to the first mobile device during the remote access play session;
  - de-activating a set of inputs on the first EGM during the remote access play session;

playing one or more games during the remote access play session using inputs on the first mobile device to provide player selections to the first EGM and receiving game play content from the first EGM that is received on the first mobile device including game outcomes;

completing the remote access play session; and re-activating the set of inputs on the first EGM and de-activating the communication link on the first gateway between the first mobile device and the first EGM.

2. The method of claim 1 further comprising activating at least two remote access play sessions on the first mobile device on at least two paired EGMs among the plurality of EGMs in parallel.

3. The method of claim 1 wherein the game play content is provided in a form that comprises one or more among the group comprising: (a) screenshot images; (b) video content; or (c) audio content.

4. The method of claim 1 wherein any mobile device among the at least one the mobile device is pairable with any EGM among the plurality of EGMs in the system.

5. The method of claim 1 wherein the first mobile device is paired with a first subset of EGMs among the plurality of EGMs simultaneously.

6. The method of claim 1 wherein the first mobile device displays game states on a screen of the first mobile device and buttons operable by a player corresponding to a particular state of the game.

7. The method of claim 1 wherein a user interface on the at least one mobile device detects screen size of the at least one mobile device and adjusts game functions displayed to the player during remote play on the at least one mobile device.

8. The method of claim 1 further comprising capturing images of game play at the first EGM and transmitting captured images to a paired mobile device for display on a screen of the paired mobile device.

9. The method of claim 1 wherein the at least one mobile device is one of a group of electronic devices from the group including: (a) a smartphone; (b) a tablet computer; (c) a laptop computer; (d) a portable video gaming device; and (e) a dedicated device on which a player may access an EGM in the remote access mode.

10. The method of claim 1 wherein the identification code is of a type from the group comprising: (a) a quick response code (“QR”); (b) a bar code; (c) a RF identification tag; or (d) another code that is detectable by a mobile device.

11. The method of claim 1 wherein a user interface on the at least one mobile device is operable to display the identification code in a human readable form to the player after the communication link is established.

12. The method of claim 1, wherein the identification code is paired with an IP address of the EGM.

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